

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-12 (cancelled)

13 (currently amended). Process for providing a flow of particulate matter to a reactor, comprising intermittently adding said particulate matter and a diluent to a mixing tank, and continuously withdrawing a slurry of said particulate matter in said diluent from the mixing tank for introduction into the reactor,

wherein prior to each addition of said particulate matter and said diluent to the mixing tank, the concentration of said particulate matter in the diluent already in the mixing tank is measured or calculated, and the amount of said particulate matter and said diluent subsequently added is measured so as to achieve the same concentration at the end of the addition as that measured or calculated prior to the addition.

14 (currently amended). Process according to claim 13, wherein the said particulate matter is a catalyst, ~~preferably a polymerisation catalyst.~~

15 (previously presented). Process according to claim 13, wherein measurement of the amount of said particulate matter and said diluent added to the mixing tank is carried out before any of said diluent is added to ~~the~~ said particulate matter.

16 (currently amended). Process according to claim 13, wherein said diluent and said particulate matter are added to the mixing tank separately.

17 (currently amended). Process according to claim 13, wherein some or all of ~~the~~ said diluent is used to flush the measured amount of said particulate matter into the mixing tank.

18 (currently amended). Process according to claim 13, wherein the concentration of said particulate matter in ~~the~~ said diluent is calculated using measurements of the volume or mass of said diluent in the mixing tank, and the mass of said particulate matter added to the mixing tank.

19 (currently amended). Process according to claim 13, wherein ~~the~~ said particulate matter is first measured into a feed pot, which is subsequently emptied into the mixing tank.

20 (currently amended). Process according to claim 19, wherein ~~the amount of~~ said particulate matter ~~measured~~ is discharged into the feed pot from a vessel, and the amount measured into the feed pot is determined by weighing ~~the~~ said vessel ~~from~~ which the ~~particulate matter is discharged~~.

21 (currently amended). Process according to claim 13, further comprising means for measuring the mass flow of said particulate matter and said diluent out of the mixing tank to the reactor.

22 (canceled).

23 (currently amended). Process according to claim 13, for controlling the mass flow of catalyst to a polymerization reactor.

24 (currently amended). Process according to claim 23, wherein the mass flow of catalyst to a continuous polymerization reactor operating continuously varies by less than 10%, ~~preferably less than 5%~~, during filling of the mixing tank.

25 (new). Process according to claim 14, wherein said particulate matter is a polymerization catalyst.

26 (new). Process according to claim 24, wherein the mass flow of catalyst to a continuous polymerization reactor varies by less than 5% during filling of the mixing tank.